

FINAL PROGRAM

Joint Topical Workshop

on

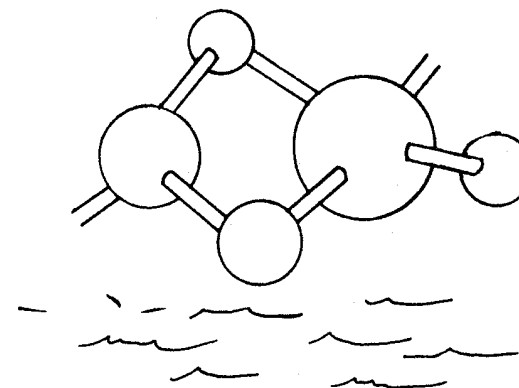
**Water – Polymer
Interactions**

sponsored by

**Division of Polymer Chemistry, Inc.
American Chemical Society**

and

Academy of Pharmaceutical Sciences



**March 12-15, 1986
Monterey, California**

Co-Chairmen

**L.G. Donaruma, Division of Polymer Chemistry, Inc.
G. Zentner, Academy of Pharmaceutical Sciences**

FINAL PROGRAM

Water-Polymer Interactions

Wednesday, March 12, 1986

Registration – 3:00 p.m.-9:00 p.m.

Welcoming Reception – 6:30 p.m.-9:30 p.m.

Thursday morning – March 13, 1986

Presiding – L.G. Donaruma

8:15 a.m. Welcoming Remarks – L.Z. Benet
President, Academy of Pharmaceutical Sciences

8:30 a.m. W.J. Bailey
University of Maryland, College Park, Maryland
"Biodegradable Polymers"

9:15 a.m. Discussion

9:45 a.m. A.S. Hoffman
University of Washington, Seattle, Washington
"Selected Applications of Aqueous Polymer
Separations in Biotechnology"

10:30 a.m. Discussion and Coffee Break

11:00 a.m. I.R. Schmolka
Grosse Ile, Michigan
"Aqueous Block Copolymer Surfactant Gels"

11:45 a.m. Discussion

12:15 p.m. Lunch – Afternoon free

Thursday evening – March 13, 1986

Presiding – A.R. Mlodozieniec

6:30 p.m. F.J. Holly
Texas Tech University, Lubbock, Texas
"The Hydrogel-Water Interface"

7:15 p.m. Discussion

7:45 p.m. J.D. Andrade
University of Utah, Salt Lake City, Utah
"Water-Induced Restructuring of Polymer Surfaces"

8:30 p.m. Discussion

9:00 p.m. D.A. Tirrell
University of Massachusetts, Amherst, Massachusetts
"Polymer Adsorption on Bilayered Membrane Surfaces"

9:45 p.m. Discussion

Friday Morning, March 14, 1986

Presiding – S.C. Israel

8:30 a.m. A. Silberberg
The Weizmann Institute, Rehovot, Israel
"Polymer Configuration as a Sensitive Indicator of the
Solvent-Polymer Segment Interaction"

9:15 a.m. Discussion

9:45 a.m. S.C. Temin
MacroChem Corporation, Woburn, Massachusetts
"Polymer-Water Interactions in Hydrogels"

10:30 a.m. Discussion and Coffee Break

11:00 a.m. U. Strauss
Rutgers State University, New Brunswick, New Jersey
"Cooperative Effects in Coulombic and Hydrophobic
Interactions Between Water and Polyelectrolytes"

11:45 a.m. Discussion

12:15 p.m. Lunch – Afternoon free

Friday evening – March 14, 1986

Presiding – G.M. Zentner and L.G. Donaruma

7:00 p.m. Banquet

H.A. Scheraga
Cornell University, Ithaca, New York
"Structure and Properties of Water in Aqueous Solutions"

Saturday morning – March 15, 1986

Presiding – G.M. Zentner

8:30 a.m. H. Hopfenberg
North Carolina State University, Raleigh, North Carolina
"Transport Phenomena of Small Molecules in
Polymeric Materials"

9:15 a.m. Discussion

9:45 a.m. S.W. Kim
University of Utah, Salt Lake City, Utah
"Hydrogels – Swelling, Drug Loading Release"

10:30 a.m. Discussion and Coffee Break

11:00 a.m. J. Kopecek
Institute for Macromolecular Chemistry, Prague,
Czechoslovakia
"Targetable Polymeric Drug Carriers: Influence of
Polymer-Water Interactions on Biological Properties"

11:45 a.m. Discussion
Closing Remarks

*The support of Merck Sharpe and Dohme Research Laboratories for this
Workshop is greatly appreciated.*